

South Delta Fish Studies

Lenny Grimaldo and Ted Sommer (CDWR)

Larry Brown (USGS)

Study Goal and Objectives

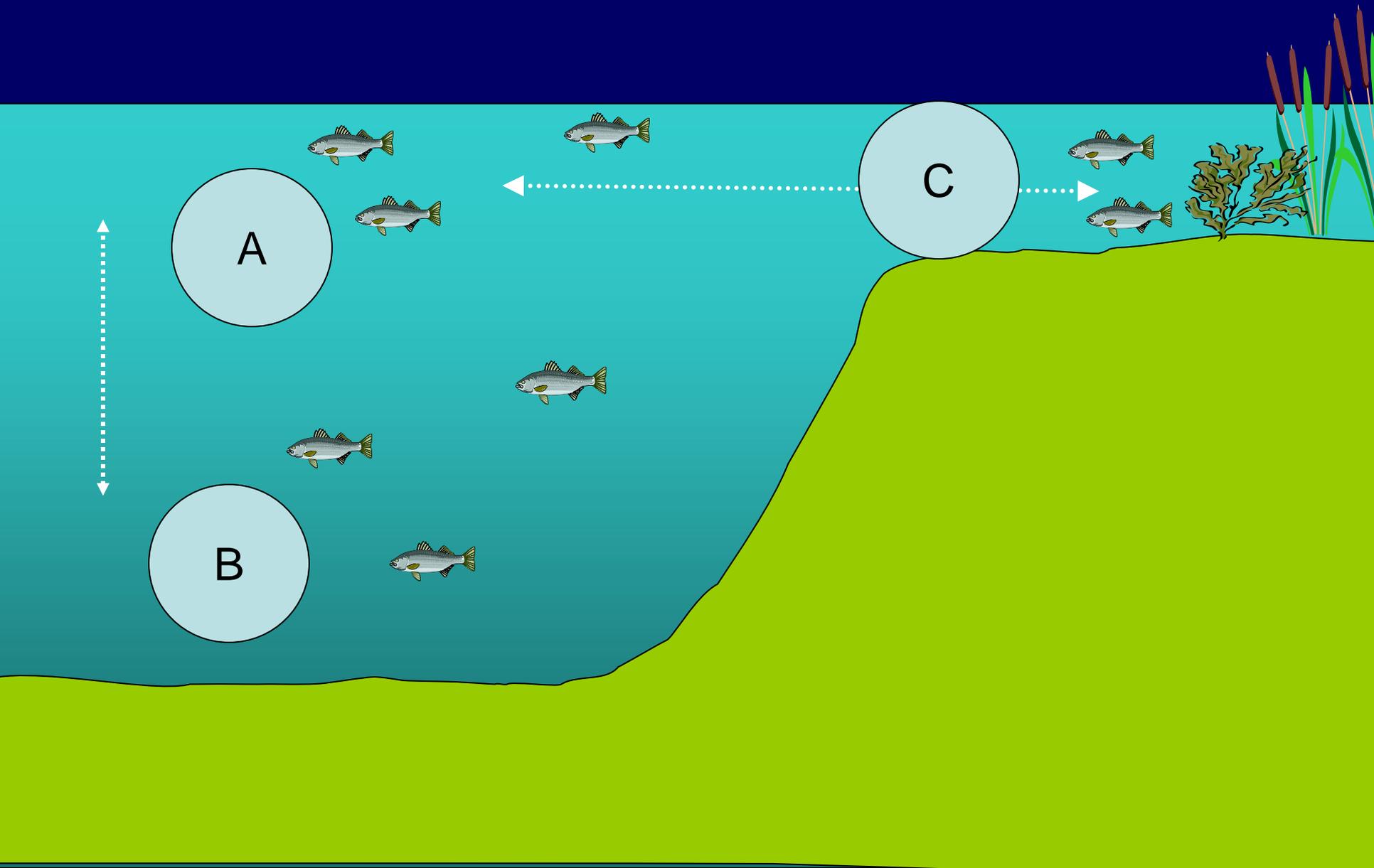
Goals

- Understand how fishes of concern (delta smelt, chinook salmon and splittail) respond to water project operations in the South Delta

2004 Study Objectives

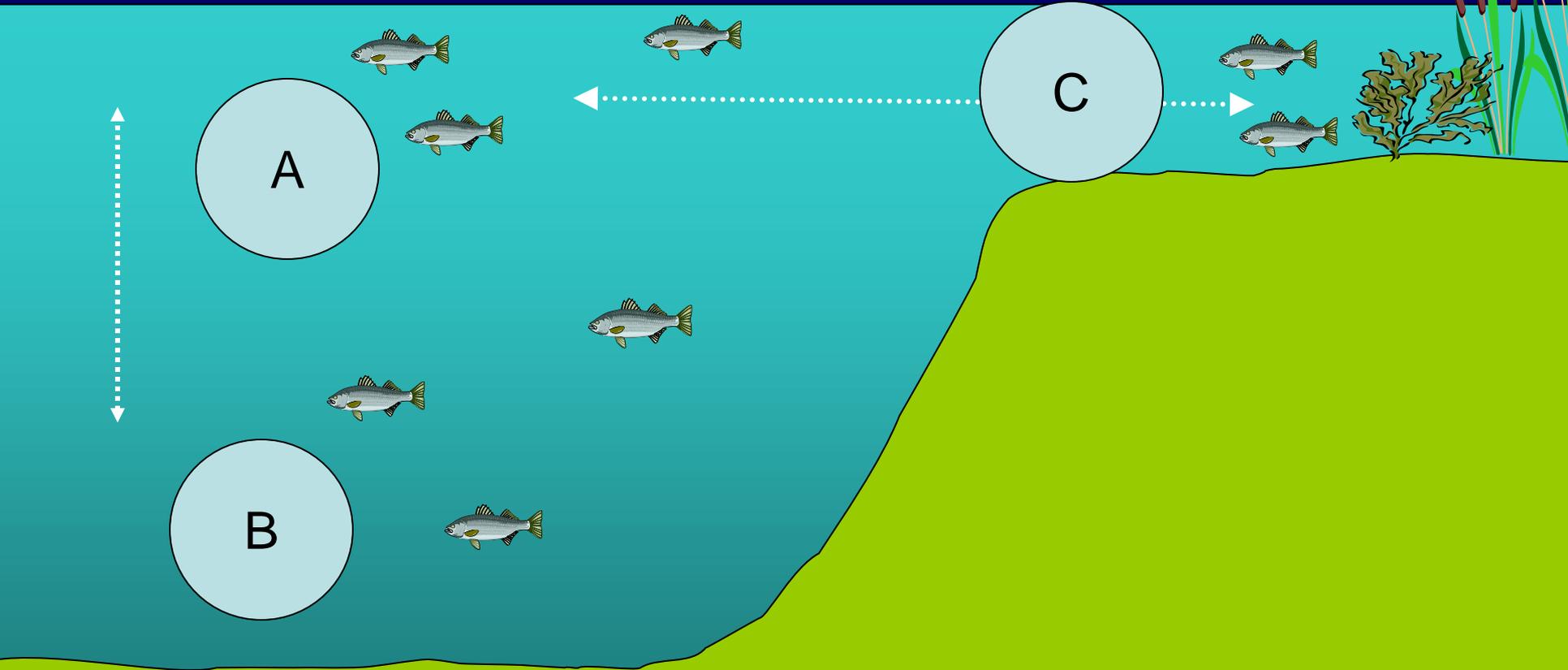
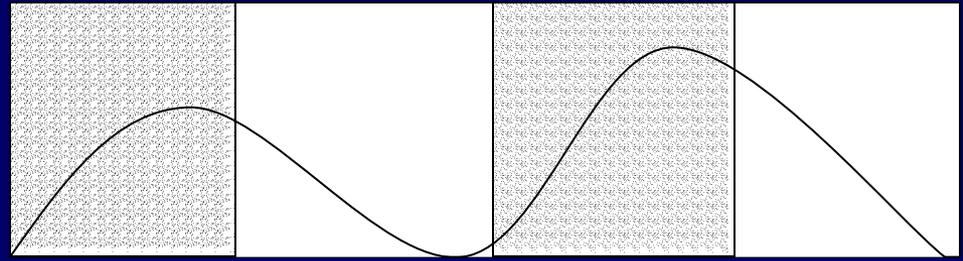
- Examine the distribution and abundance of larval fishes in channels (near-field and far-field) in the South Delta
- Assess the growth rates, hatch rates and conditions of delta smelt in the South Delta
- Examine how chinook salmon move with the flow through South Delta channels

Sampling locations:

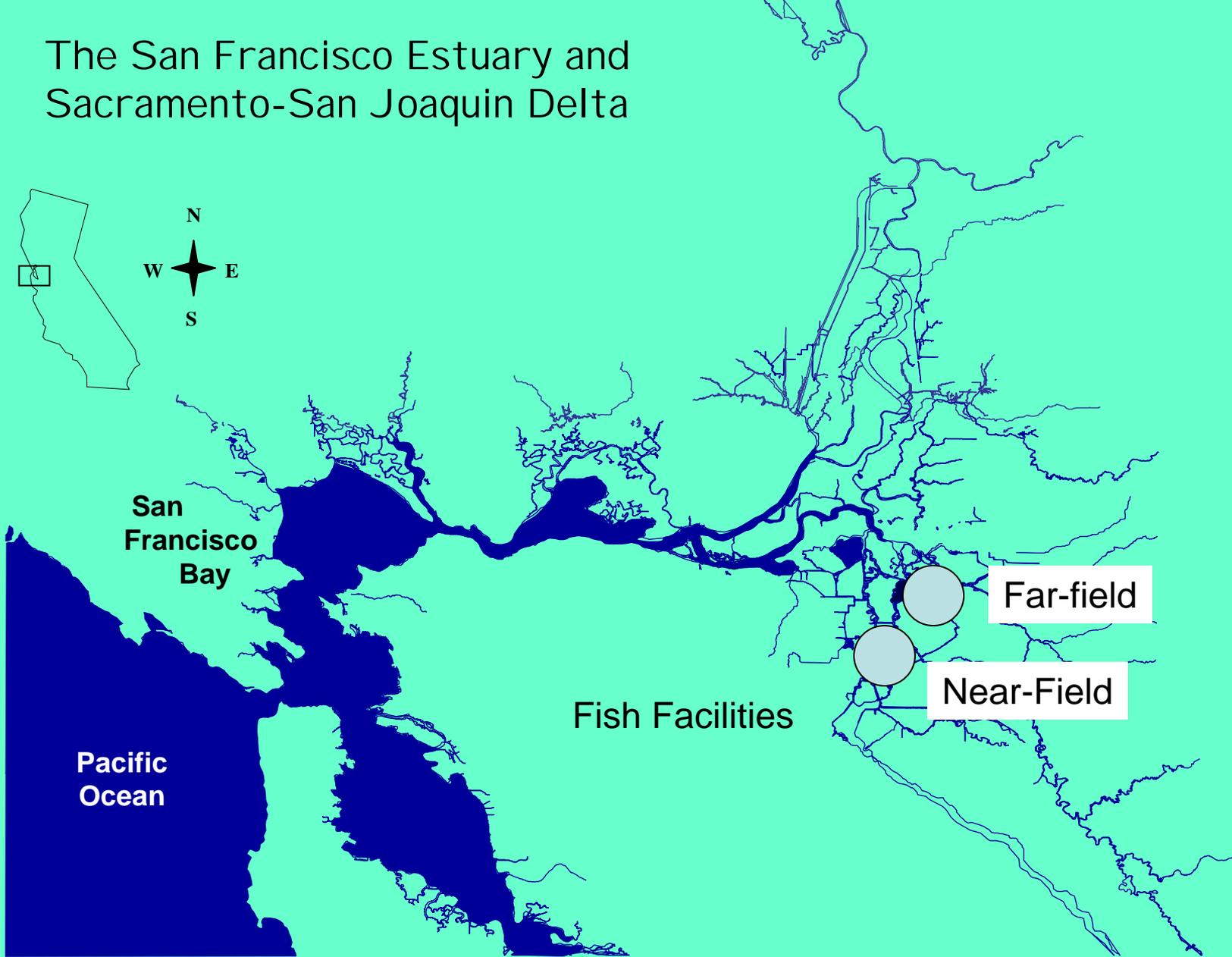


Sampling duration

30 hours



The San Francisco Estuary and Sacramento-San Joaquin Delta



Sampling Coordination

- Hydrodynamics measurements of flow distributions
- Hydroacoustic measurements of gross fish abundance

Proposed budget for fish studies

- Lenny Grimaldo and Ted Sommer (CDWR)
 - \$187,000
- Larry Brown (USGS)
 - \$129,000
- Bill Bennett (UCD)
 - \$50,000
- Dave Vogel (Consultant)
 - \$50,000

Total*	\$416,000
*Matching DWR funds	\$187,000
*Matching CALFED funds	\$129,000
<u>Total requested</u>	\$100,000

Deliverables

- IEP Technical Report (Fall 2004)
- Annual IEP Conference Presentation (Spring 2005)
- Proposal for 2005 study (Winter 2004)